

## CN 1,113,738 A

DIALOG(R)File 351:DERWENT WPI

(c) 2000 Derwent Info Ltd. All rts. reserv.

011438229

WPI Acc No: 97-416136/199739

Disposable health-care bath towel for treating venereal disease, etc.

Patent Assignee: ZHANG X (ZHAN-I)

Inventor: CHEN Y; ZHANG X

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
CN 1113738	A	19951227	CN 94110651	A	19940618		199739 B

Priority Applications (No Type Date): CN 94110651 A 19940618

Abstract (Basic): CN 1113738 A

Disposable health-care bath towel comprises bath towel carrier fully soaked in a soaking liquor and then dried. The soaking liquor comprises detergent, Chinese medicine liquor, medical glycerine and disinfectant.

USE - The health-care bath towel has functions of disinfection, sterilisation, cleansing and health-care. It can rapidly kill various pathogenic bacteria and is used for preventing and treating dermatopathy and venereal disease.

Dwg. 0

Derwent Class: B07; D22; F06; P28

International Patent Class (Main): A47K-007/03

International Patent Class (Additional): A47K-010/02

<p>93-250497/32 E17 F09 FARB 92.01.31  BAYER AG *DE 4202703-A1  92.01.31 92DE-4202703 (93.08.05) D21H 21/22, C07C 69/734,  D21H 17/14  Increasing vol. and porosity of paper - with alkoxylated unsatd. fatty acid ester(s)  C93-111048  Addnl. Data: VON BONIN W, GERDES C, KOENIG J, BAEUMGEN H, PUCHNER F</p>	<p>E(10-E4G) F(5-A6C, 5-A6D)</p>
<p>The vol. and porosity of paper and paper-like materials are increased using alkoxylated unsatd. fatty acid esters (I).  Also claimed are paper and paper-like materials contg. (I).  <b>USE/ADVANTAGE</b>  The process is applicable to tissue paper, office and packaging materials, and coating or printing papers. (I) are more effective than cationic porosifiers and should interfere less with the action of additives such as optical brighteners.  <b>PREFERRED PROCESS</b>  (I) are prods. obtained by reacting natural oils, esp. soya, sunflower, castor, rapeseed and/or tall oil, with</p>	<p>1-10C alkylene oxides.  (I) are added to the pulp in the paper machine in an amt. of 0.005-1 wt.%.  <b>EXAMPLE</b>  Addn. of 0.3% ethoxylated soya oil (4EO) to pulp produced from waste paper reduced the wt. of the finished paper from 154.6 to 153.2 g/m<sup>2</sup> and increased its vol. from 2.28 to 2.54 dm<sup>3</sup>/kg (11.4% increase).  (5pp367HWDwgNo0/0).</p> <p style="text-align: right;"><i>M</i> DE4202703-A</p>

©1993 DERWENT PUBLICATIONS LTD.  
14 Great Queen Street, London WC2B 5DF  
US Office: Derwent Inc., 1313 Dolley Madison Boulevard,  
Suite 401 McLean, VA22101, USA  
Unauthorised copying of this abstract not permitted

85-277473/45 A97 E19 F09 (A25) AIKU 30.04.84  
AKZO NV \*DE 3416-043-A  
30.04.84-DE-416043 (31.10.85) D21h-3/60  
Absorbent paper-making additives - include ethoxylated and/or  
propoxylated alcohol(s), phenol(s), amine(s), and 8-30c carboxylic  
acids and ester(s)  
C85-120255

8-30 C carboxylic esters and acids and 12-40 C ethoxylated  
and/or propoxylated prim. and sec. alcohols, -alkylphenols,  
-amines and/or -anides with a degree of ethoxy- or propoxy-  
lation of 3-50 are used for the prepn. of paper, esp. dry or  
wet creped paper to increase its absorption rate.

Use of polyethers and the ethoxylated and/or propoxy-  
lated cpds. claimed above and long-chain 8-30C epoxides for  
paper prodn. is also claimed.

#### USE/ADVANTAGE

Papers with high absorption and softness, useful for  
toilet paper, handkerchiefs, kitchen rolls etc. may be prepd.  
from e.g. recycled paper and low quality pulp with short  
low-diameter fibres. Adhesion of dry or wet creped paper  
and build-up on the drying cylinder is reduced with the  
creping process aids.

Other advantages include the acceleration of dewatering.

A(10-E1, 12-W6C) E(10-B3B, 10-C4L, 10-D3C, 10-E4M, 10-G2H)  
F(5-A6C, 5-A6D)

foam suppression, increase in the duration of the crepe  
scrapping operation and doubling the water absorption rate.

#### PREFERRED

Pref. the alkylphenol contains and 8-16C gp. the  
carboxylic acid contains 12-20C atoms and the long chain  
epoxide 12-18C atoms.

Pref. 0.05-0.5 wt. % based on cellulose of the  
carboxylic acid ester and/or polyether is added to the  
hollander, pulper and/or at sheet formation stage in a conc.  
of greater than 80 wt. % liq.

The polyether may be added as an aq. dispersion or  
soln.

The degree of ethoxy- or propoxylation is pref. 5-15.

#### EXAMPLE

(16pp1677JWDwgNo0/0).

A mixt. of 50% old newspaper and 50% corrugated paper  
with a pulp fineness of 53 deg. SR was processed to a 50g/  
sq.m paper at 30 deg. C and at a pH of 7.5.

An ethoxylated nonyl phenol ester with 8 EO units was  
used as the processing aid. Wet tear strength = 1267(1412)m  
absorption rate = 103(308) seconds. Comparative values with  
no additive present are given in brackets. DE3416043-A

© 1985 DERWENT PUBLICATIONS LTD.

128, Theobalds Road, London WC1X 8RP, England

US Office: Derwent Inc. Suite 500, 6845 Elm St. McLean, VA 22101

Unauthorised copying of this abstract not permitted.